

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12707693

Catalog # : 01536ET3E254T-S

Frame : 254/6T
Output : 15 HP (11 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 34.8/17.4 A
L. R. Amperes : 237/118 A
LRC : 6.8x(Code G)
No load current : 13.0/6.50 A
Rated speed : 3525 rpm
Slip : 2.08 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.8718 sq.ft.lb
Design : B

Locked rotor time : 25s (cold) 14s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 75.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 188 lb

| Output | 50% | 75% | 100% |
|----------------|------|------|------|
| Efficiency (%) | 89.5 | 91.0 | 91.0 |
| Power Factor | 0.73 | 0.83 | 0.87 |

Foundation loads
Max. traction : 227 lb
Max. compression : 415 lb

| | Drive end | Non drive end |
|----------------------|------------------|----------------------|
| Bearing type | 6309 Z C3 | 6208 Z C3 |
| Sealing | V'Ring | Without Bearing Seal |
| Lubrication interval | 15797 h | 20000 h |
| Lubricant amount | 13 g | 8 g |
| Lubricant type | Mobil Polyrex EM | |

Notes:
USABLE @208V 38.5A SF 1.00 SFA 38.5A

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|---------------|---------|------|
| | | | | |
| Performed by | | Page 1 / 1 | | |
| Checked by | | | | |
| Date | 26/03/2024 | | | |
| | | Revision | | |